KF

Charles Darwin Esqr.
with kind regard from
the author.

DIE

# BASTARDBEFRUCHTUNG

# IM PFLANZENREICH

ERLÄUTERT

AN DEN BASTARDEN DER WEIDEN

VON

MAX WICHURA.

Mit zwei Tafeln in Naturselbstdruck.

BRESLAU.
VERLAG VON E. MORGENSTERN
1865.

The most striking case given of
cross [illegible] working of hybrids

Full Abstract

# Max Wichura

1

s. 24 Willows have great power of combining into complex hybrids; he has united 6 species into one hybrid.

s. 28. Thinks Gärtner's reversions due to parent pollen: Naudin's results point to opposite extreme. Does not Gärtner say that cultivated vars. revert more than wild species? Does this not account for difference between Naudin & Wichura's.

See Bast. 1 2

s. 29. The 6 fold hybrids c^d not live — p 31. Says generally that Hybrids are not so strong & healthy. —

s. 30 Gradation in sterility of Hybrid willows which in extreme part of scale ends in death of young plants.

s. 35. Gradation in potency of pollen. 38 pollen gets worse & worse in offspring of Hybrids inter se & in (p. 39) the more complex hybrid.

s 41. Luxuriance in hybrid willows is by no means the rule rather the reverse.

p. 83 Explains sterility of hybrids by combined organization being ill-fitted for conditions. I give this view p. 288/3^d ed. of Origin; but contradicted if offspring from homomorphic unions are sterile.

p 85. Explains increasing sterility of successive generations of hybrids inter se by inter-breeding like I do.

p 85 The crossed Triticum & Ægilops which increased in fertility had $\frac{3}{4}$ of Triticum blood.

p 89 Cultivated plants which vary most often have irregular pollen & seems to think there is some analogy between variability & hybridism.

p. 92 Cultivated plants like hybrids are in a state of dis-accommodation & he gives Kohlreuters view on this point

p. 42. Cases of weakly hybrid willows.

p. 43. Believes in Kohlreuters view that luxuriance of hybrids results from sterility; false from mongrels —

p. 43 & 44 Number of individuals of either sexes modified in hybrid willow. There are more females & see p. 63.

p. 50. Never saw a prepotent type & therefore doubts Gärtner.

p. 56 variability in hybrid willows when hybrid pollen used; uniformity when pure pollen used.

p. 58; 66 difft kind of hybrid willows found wild

p. 64. Gives proportions of hybrids to pure species in different districts — in some places more hybrids than pure plants — p. 65 Ingeniously explains how they abound on certain spots from rapid Germination of seed — —

p. 80. gives case of species very like each other yet do not unite easily. —

Gärtner p. 474, & 582 on

Reversion occurring chiefly in

cultivated Plants —

Naudin who used cultivated plants goes to

one extreme & ~~[illegible]~~ Wichura

who experimented on wild willows

goes to the other extreme

p. 22

p. 43 – var. when Scott dies
89 do

Scott over – allude thus of

non-accomodating

will not do for Trapula &

Linna an. Stevenl...